

Attorney Docket No.: DEX-0180
Inventors: Roberto A. Macina
Serial No.: 09/806,302
Filing Date: July 19, 2001
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This listing of the claims will replace all prior versions and listings of claims in the application:

Listing of the claims:

Claim 1 (currently amended): A method for diagnosing the presence of a gynecologic cancer in a patient comprising:

(a) measuring levels of ESBPIII comprising a polynucleotide sequence of SEQ ID NO:1 or a protein encoded thereby in cells, tissues or bodily fluids in a patient; and

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(b) comparing the measured levels of ESBPIII with levels of ESBPIII in cells, tissues or bodily fluids from a normal human control, wherein a change in measured levels of ESBPIII in said patient versus normal human control is associated with the presence of a gynecologic cancer.

Claim 2 (currently amended): A method of diagnosing metastases of a gynecologic cancer in a patient comprising:

(a) identifying a patient having a selected cancer that is not known to have metastasized;

(b) measuring ESBPIII levels in cells, tissues, or bodily fluid from said patient, wherein ESBPIII comprises a polynucleotide sequence of SEQ ID NO:1 or a protein encoded thereby; and

(c) comparing the measured ESBPIII levels with levels of

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ESBPIII in cells, tissue, or bodily fluid of a normal human control, wherein an increase in measured ESBPIII levels in the patient versus the normal human control is associated with a cancer which has metastasized.

Claim 3 (currently amended): A method of staging a gynecologic cancer in a patient having a gynecologic cancer comprising:

(a) identifying a patient having a gynecologic cancer;
(b) measuring ESBPIII levels in cells, tissue, or bodily fluid from said patient, wherein ESBPIII comprises a polynucleotide sequence of SEQ ID NO:1 or a protein encoded thereby; and

(c) comparing measured ESBPIII levels with levels of ESBPIII in cells, tissues, or bodily fluid of a normal human control, wherein an increase in measured ESBPIII levels in said patient versus the normal human control is associated with a cancer which is progressing and a decrease in the measured ESBPIII levels is associated with a cancer which is regressing or in remission.

Claim 4 (currently amended): A method of monitoring a gynecologic cancer in a patient for the onset of metastasis comprising:

(a) identifying a patient having a gynecologic cancer that

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is not known to have metastasized;

(b) periodically measuring levels of ESBPIII cells, tissues, or bodily fluid from said patient, wherein ESBPIII comprises a polynucleotide sequence of SEQ ID NO:1 or a protein encoded thereby; and

(c) comparing the periodically measured ESBPIII levels with levels of ESBPIII in cells, tissues, or bodily fluid of a normal human control, wherein an increase in any one of the periodically measured ESBPIII levels in the patient versus the normal human control is associated with a cancer which has metastasized.

Claim 5 (currently amended): A method of monitoring the change in stage of a gynecologic cancer in a patient comprising:

(a) identifying a patient having a gynecologic cancer;

(b) periodically measuring levels of ESBPIII in cells, tissues, or bodily fluid from said patient, wherein ESBPIII comprises a polynucleotide sequence of SEQ ID NO:1 or a protein encoded thereby; and

(c) comparing the periodically measured ESBPIII levels with levels of ESBPIII in cells, tissues, or bodily fluid of a normal human control, wherein an increase in any one of the periodically measured ESBPIII levels in the patient versus the normal human control is associated with a cancer which is progressing in stage

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and a decrease is associated with a cancer which is regressing in stage or in remission.

Claims 6-10 (canceled)